



#5

SEQUENCE LISTING

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<120> MUTANT ILVH GENE AND METHOD FOR PRODUCING L-VALINE

<130> 202048US0

<140> 09/761,782

<141> 2001-01-18

<150> RU 2000101678

<151> 2000-01-26

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<170> PatentIn version 3.1

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tcc cgc gtg att ggc ctt ttt tcc cag cgt ggc tac aac att gaa agc 96
Ser Arg Val Ile Gly Leu Phe Ser Gln Arg Gly Tyr Asn Ile Glu Ser
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ctg acc gtt gcg cca acc gac gat ccg aca tta tcg cgt atg acc atc 144
Leu Thr Val Ala Pro Thr Asp Asp Pro Thr Leu Ser Arg Met Thr Ile
35 40 45

cag acc gtg ggc gat gaa aaa gta ctt gag cag atc gaa aag caa tta 192
Gln Thr Val Gly Asp Glu Lys Val Leu Glu Gln Ile Glu Lys Gln Leu
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cac aaa ctg gtc gat gtc ttg cgc gtg agt gag ttg ggg cag ggc gcg 240
His Lys Leu Val Asp Val Leu Arg Val Ser Glu Leu Gly Gln Gly Ala
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cat gtt gag cgg gaa atc atg ctg gtg aaa att cag gcc agc ggt tac 288
His Val Glu Arg Glu Ile Met Leu Val Lys Ile Gln Ala Ser Gly Tyr
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Gly Arg Asp Glu Val Lys Arg Asn Thr Glu Ile Phe Arg Gly Gln Ile
100 105 110

atc gat gtc aca ccc tcg ctt tat acc gtt caa tta gca ggc acc agc 384
Ile Asp Val Thr Pro Ser Leu Tyr Thr Val Gln Leu Ala Gly Thr Ser
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Gly Lys Leu Ser Ala Phe Leu Ala Ser Ile Arg Asp Val Ala Lys Ile
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35 40 45

Gln Thr Val Gly Asp Glu Lys Val Leu Glu Gln Ile Glu Lys Gln Leu
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His Lys Leu Val Asp Val Leu Arg Val Ser Glu Leu Gly Gln Gly Ala
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His Val Glu Arg Glu Ile Met Leu Val Lys Ile Gln Ala Ser Gly Tyr
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Gly Arg Asp Glu Val Lys Arg Asn Thr Glu Ile Phe Arg Gly Gln Ile
100 105 110

Ile Asp Val Thr Pro Ser Leu Tyr Thr Val Gln Leu Ala Gly Thr Ser
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